

## **REMARKS**

Claims 2-4, 12, and 14-15 have been cancelled. Claims 1, 6, 7, 9, 10, 25, 27, 29-33 have been amended to clarify the subject matter regarded as the invention. Claims 1, 5-11, 13, 16-33 are pending.

### ***Claim Rejections – 35 U.S.C. §112***

Claims 25 and 32 stand rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The amended claims are believed to overcome the rejection. Support of the amendments may be found, as an example and without limitation, at p.12, ll.12-22.

Claims 3, 9, 10, 12, 14, 28 stand rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 3, 12, 14 have been cancelled. Amended claims 9, 10, and 28 are believed to overcome the rejection.

### ***Claim Rejections – 35 U.S.C. §103***

Claims 1, 3, 5, 6, 9, 12-15, 22-24, and 29 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas (US 6138030) in view of McGuire (US 20030097360).

Claims 2, 4, 7, and 10 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Williams (US 20030055877).

Claims 8 and 11 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Albert (US 20020141401).

Claim 16 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Simelius (US 20040001474).

Claim 17 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Kaneko (US 20040193895).

Claim 18 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Coile (US 6104717).

Claim 19 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Herkendorf (US 20040146044).

Claim 20 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Maturana (US 20020035681).

Claim 21 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Murakami (US 7203757).

Claim 25 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Chang (US 7249347) in view of Banker (US 20030156552).

Claims 26 and 31 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Lee (6785245).

Claim 30 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Galyas in view of McGuire further in view of Lee and Williams.

Claim 32 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Chang in view of McGuire further in view of Banker.

Claim 33 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Dowling in view of McGuire.

With respect to claims 1 and 29, support for the amendment may be found, as examples and without limitation, at p.5, l. 20-p.8, l.5.

Neither Galyas, nor McGuire, nor Williams, either singly or in combination, teaches the method as recited in claim 1 or the system as recited in claim 29.

Specifically, Galyas does not teach a virtual machine at all. In so far as McGuire or Williams teaches Java virtual machines, neither reference teaches segmented VMs comprising a shell VM and a core VM, wherein the shell VM and the core VM each performing some but not all functions of the segmented VM.

Further, none of the references teaches establishing a first connection between an external application and the shell VM to transfer information between the external application and the core VM via the shell VM and a communication link between the shell VM and the core VM.

Additionally, none of the references teaches establishing a second connection between the shell VM and the core VM such that the information between the external application and the core VM is transferred via the shell VM and the second connection instead of the communication link.

What is more, none of the references teaches stitching the first connection and the second connection to redirect the information between the external application and the core VM, including by bypassing the shell VM to reduce load on the shell VM, and transferring the data via a portion of the first connection and a portion of the second connection.

As such, claims 1 and 28 are believed to be allowable.

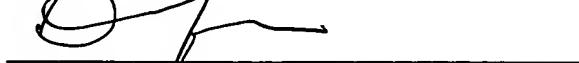
Claims 5-11, 13, 16-28 depend from claim 1 and claims 30-33 depend from claim 29. They are believed to be allowable for the same reasons described above.

The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

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Diana Y. Fu  
Registration No. 52,924  
V 408-973-2593  
F 408-973-2595

VAN PELT, YI & JAMES LLP  
10050 N. Foothill Blvd., Suite 200  
Cupertino, CA 95014